

330640-2237860

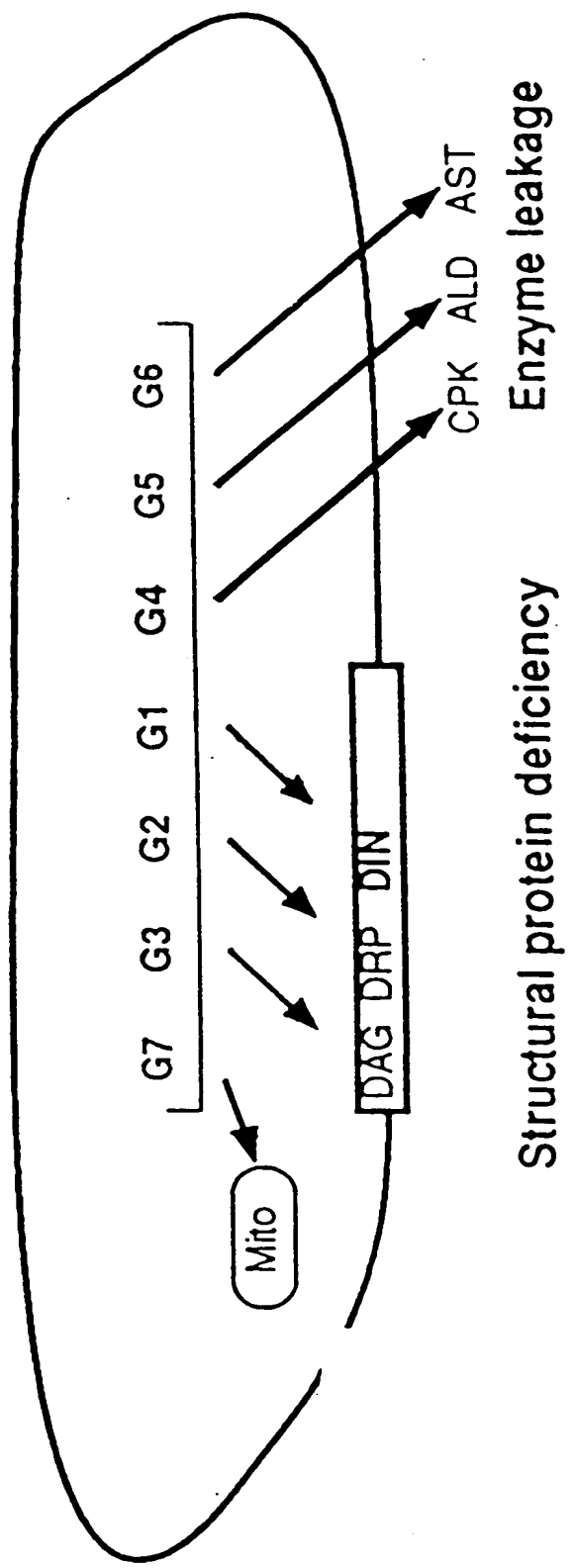
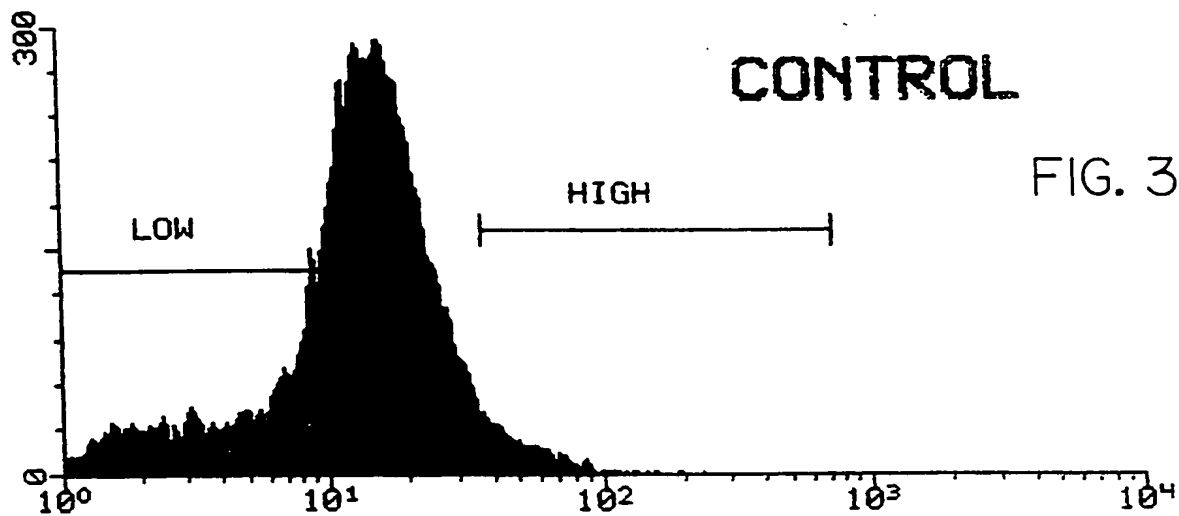


FIG. 1

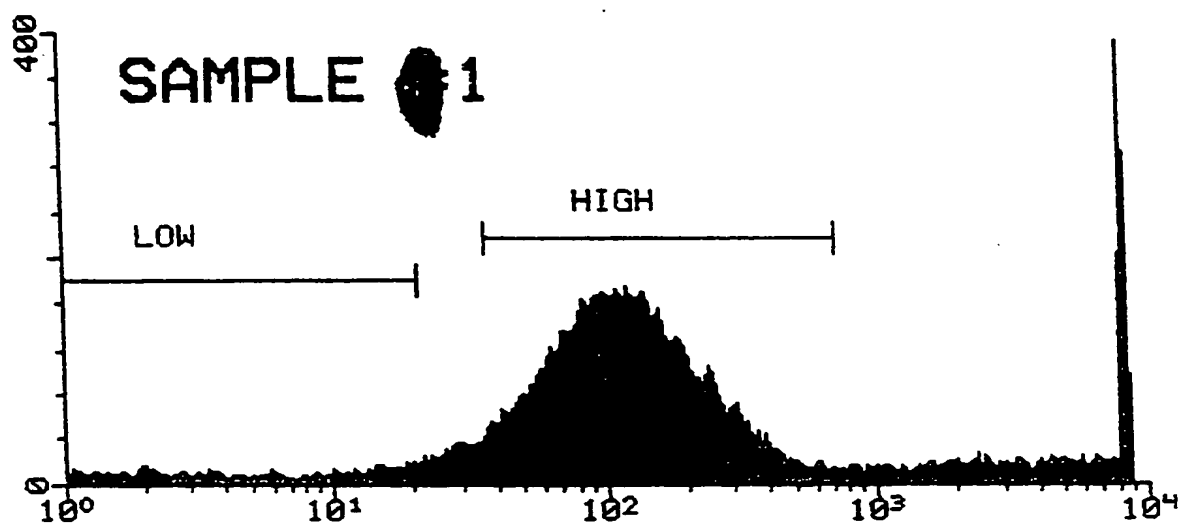
FIG. 2

255010-22050066

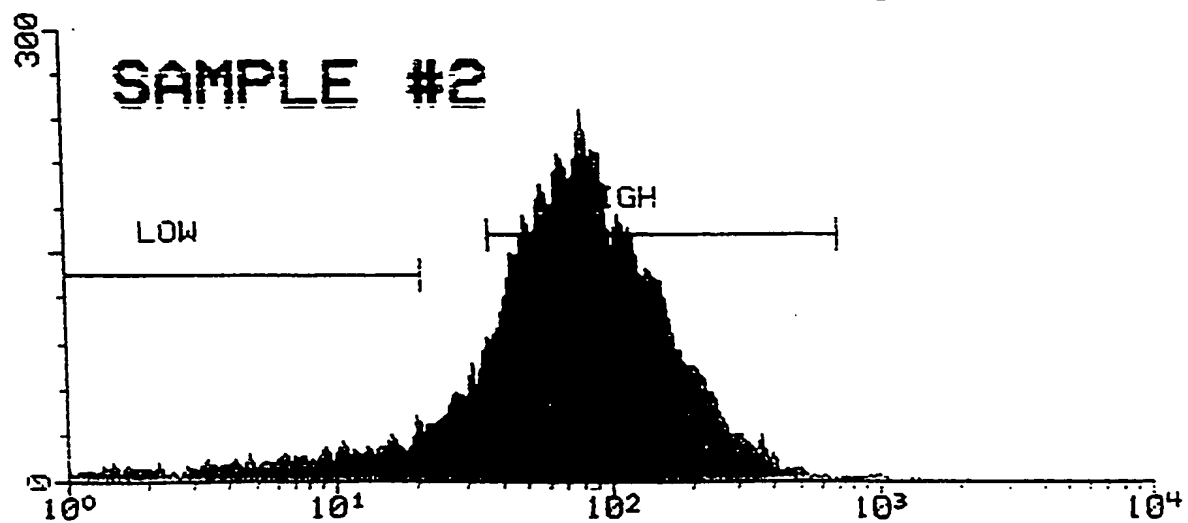
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#11:/1/ST07B001\FL1-H\FL1-Height



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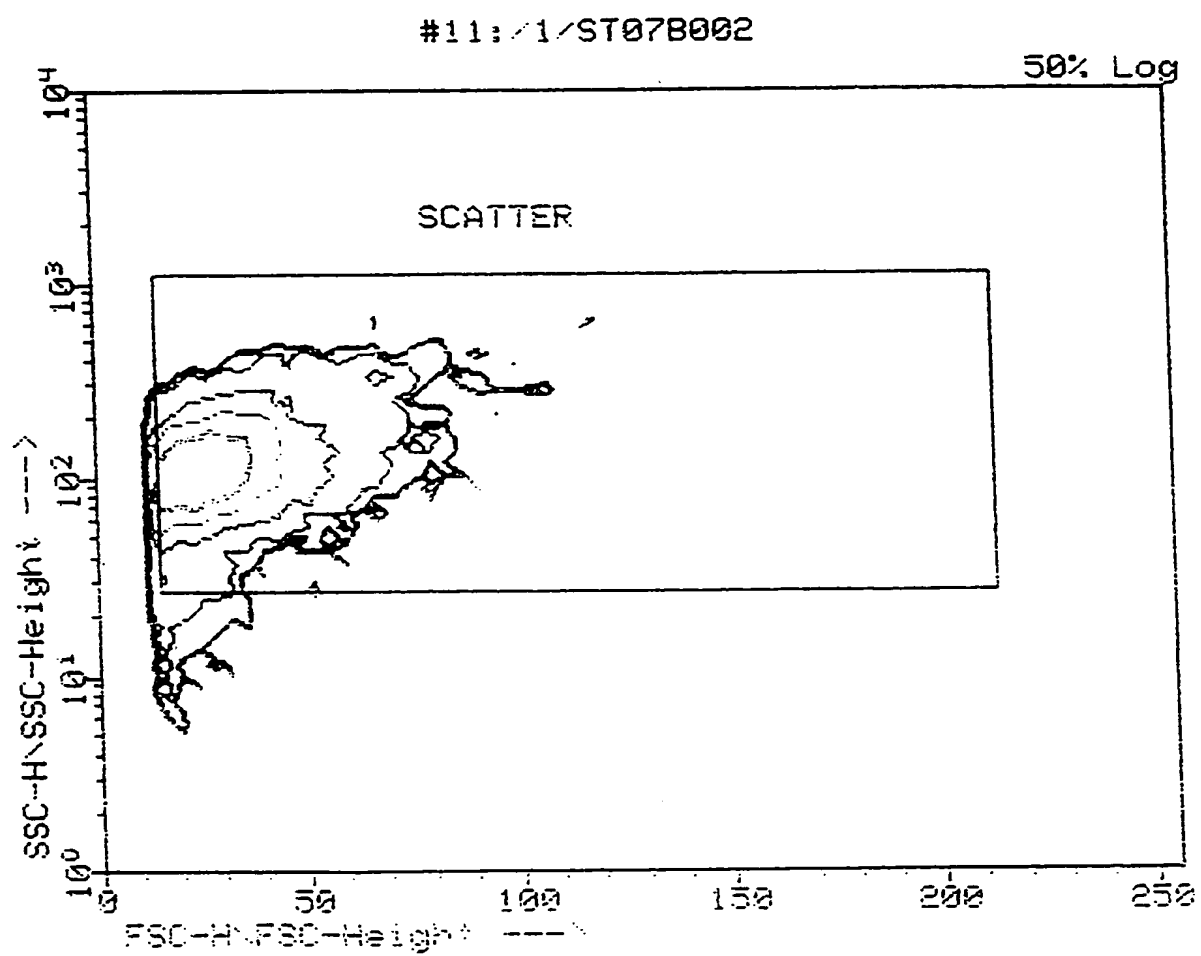


FIG. 4

# A

**B**

FIG. 5

ANGLE OF INJECTION DETERMINES  
MYOBLAST DISTRIBUTION  $A > B > C > D$

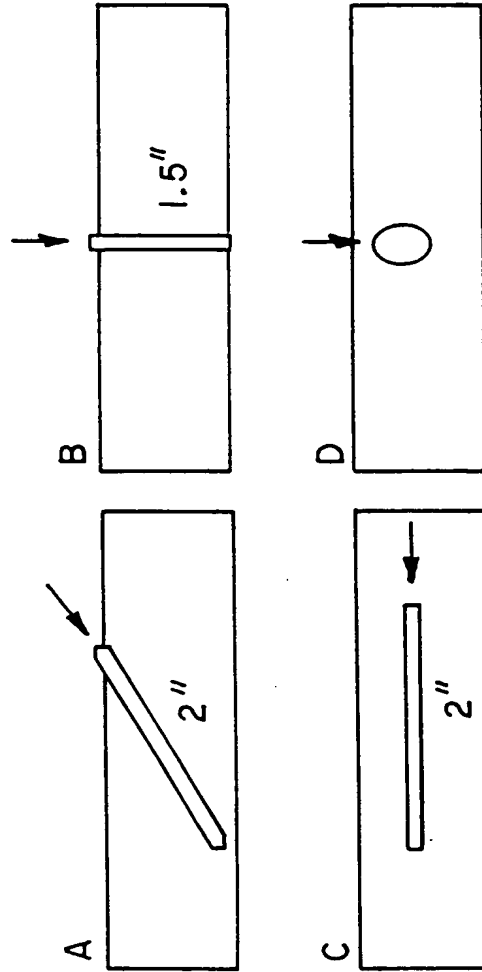


FIG. 6

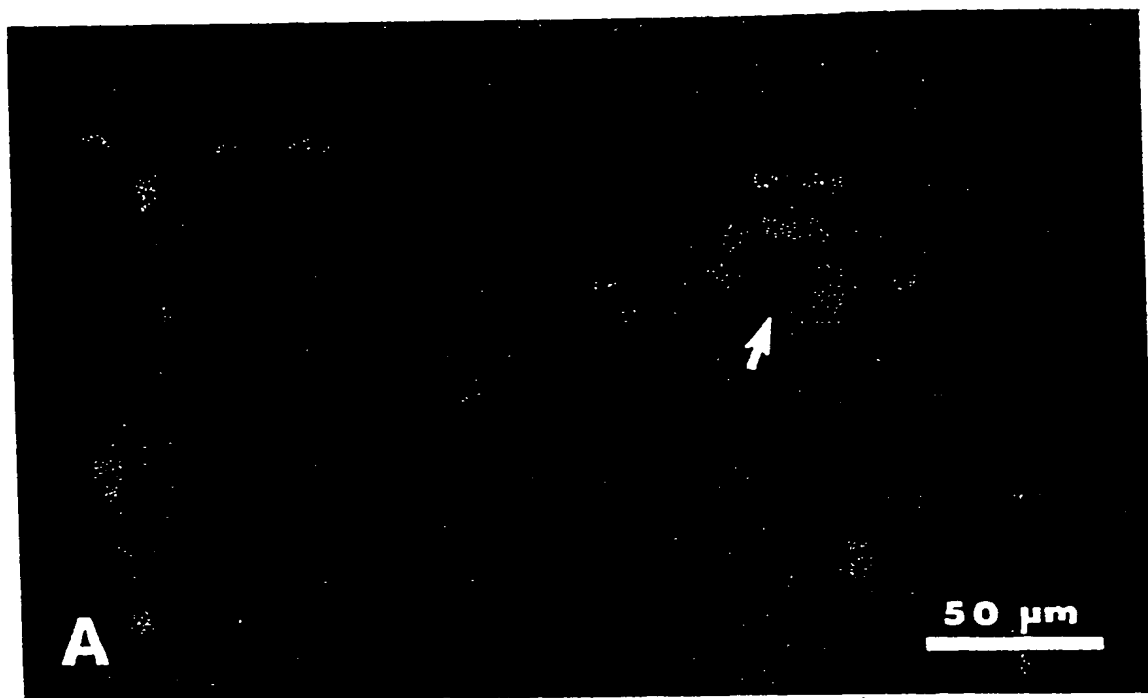


FIG. 7

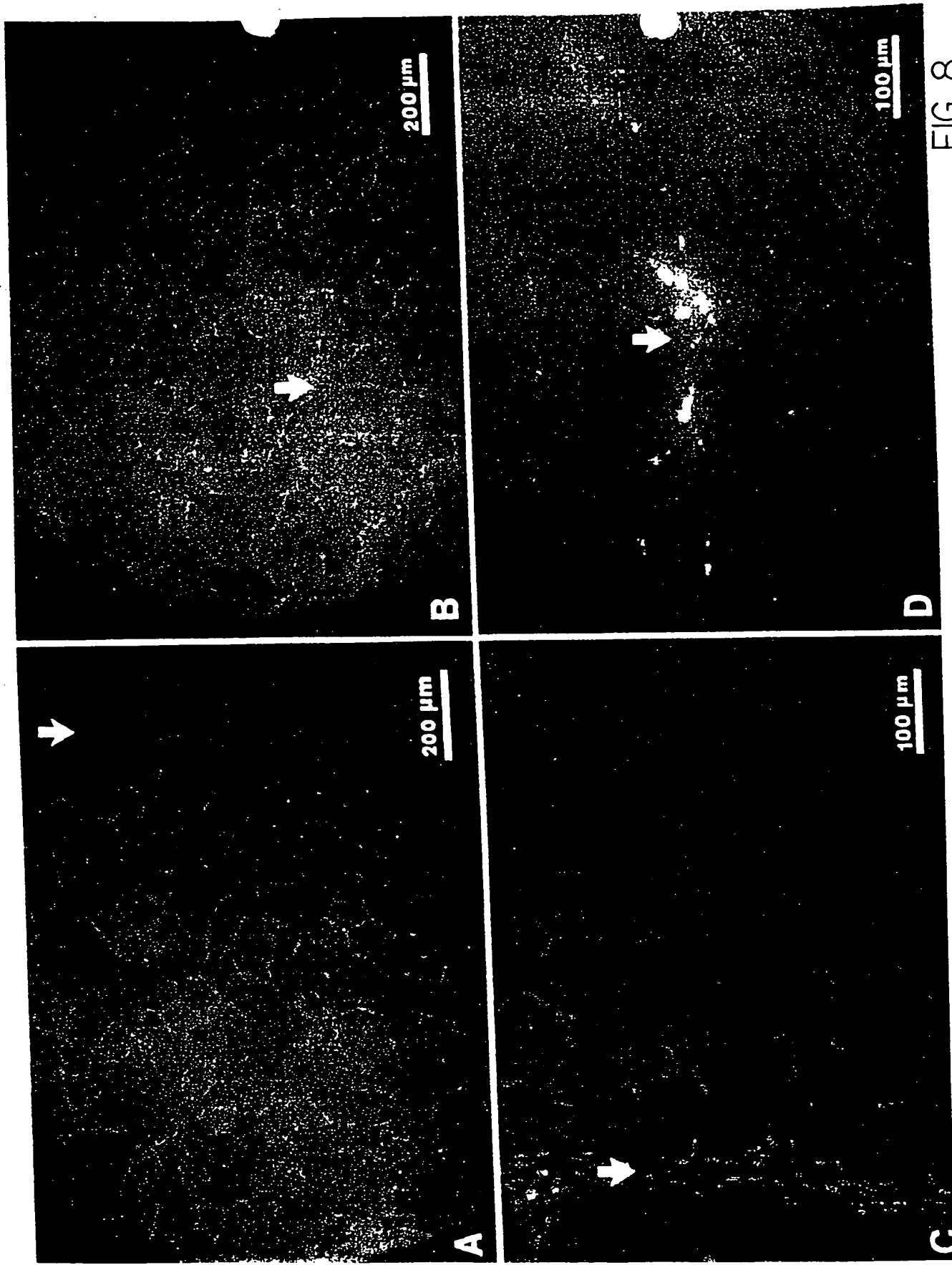


FIG. 8



# PRODUCTION OF ALLOPHENIC TWINS

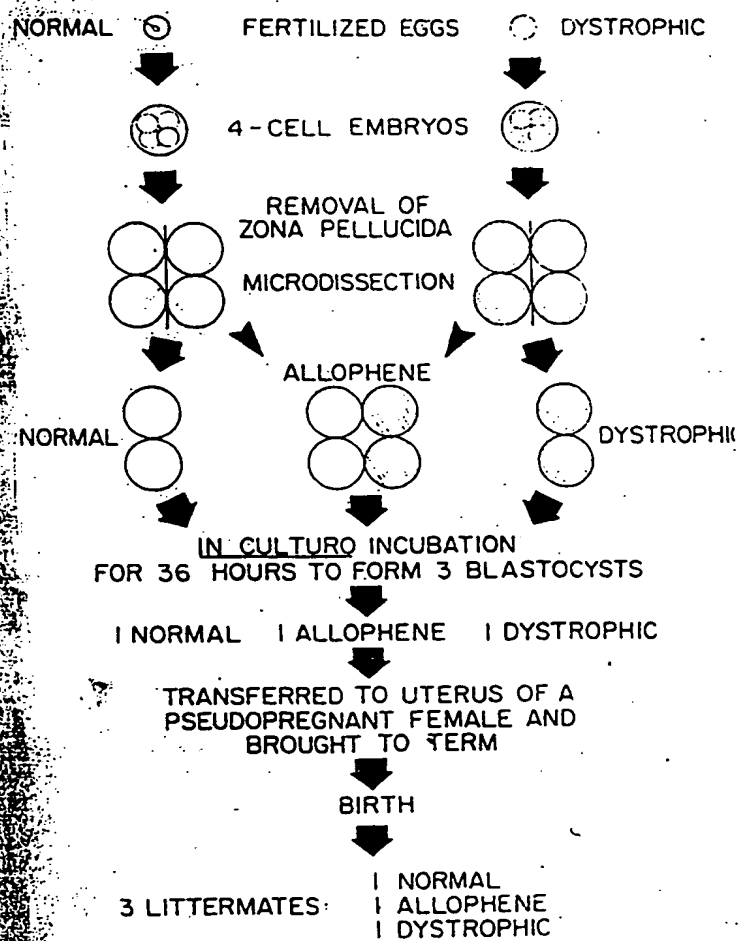


FIG.9



FIG. 10

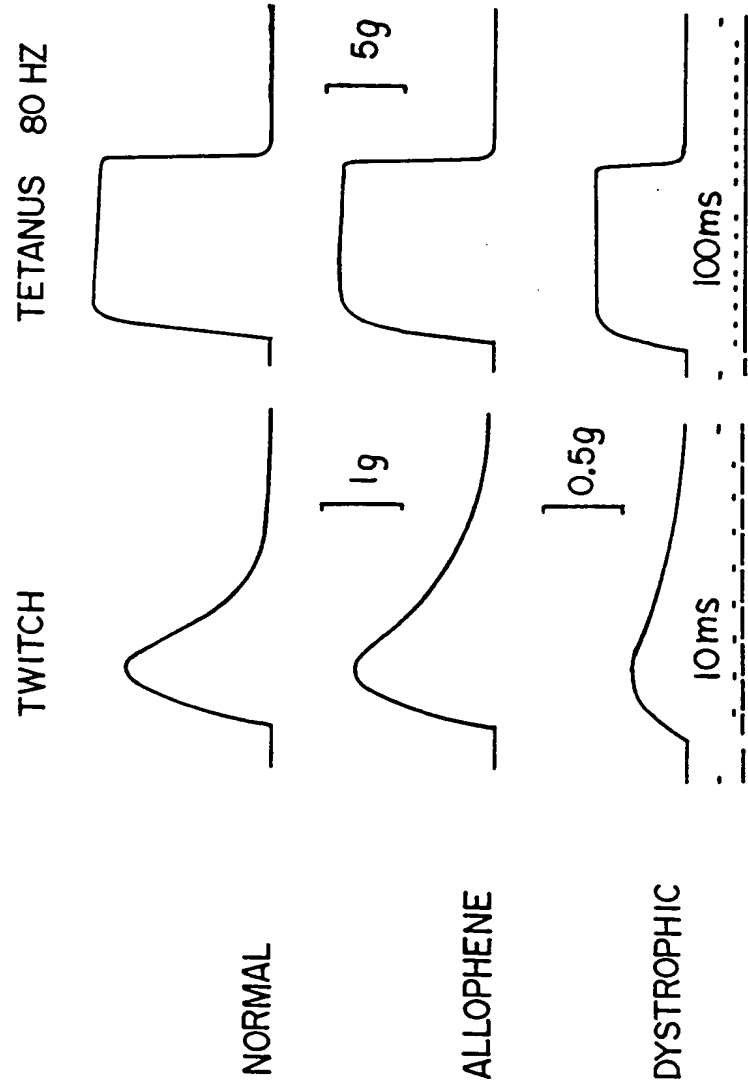


FIG. 11



FIG. 12

A high-contrast, black and white image showing a dense, textured surface, possibly a book cover or endpaper, with a prominent vertical crease or fold line running down the center. The texture is grainy and speckled, suggesting a material like paper or fabric.

FIG. 13

# Instrument components

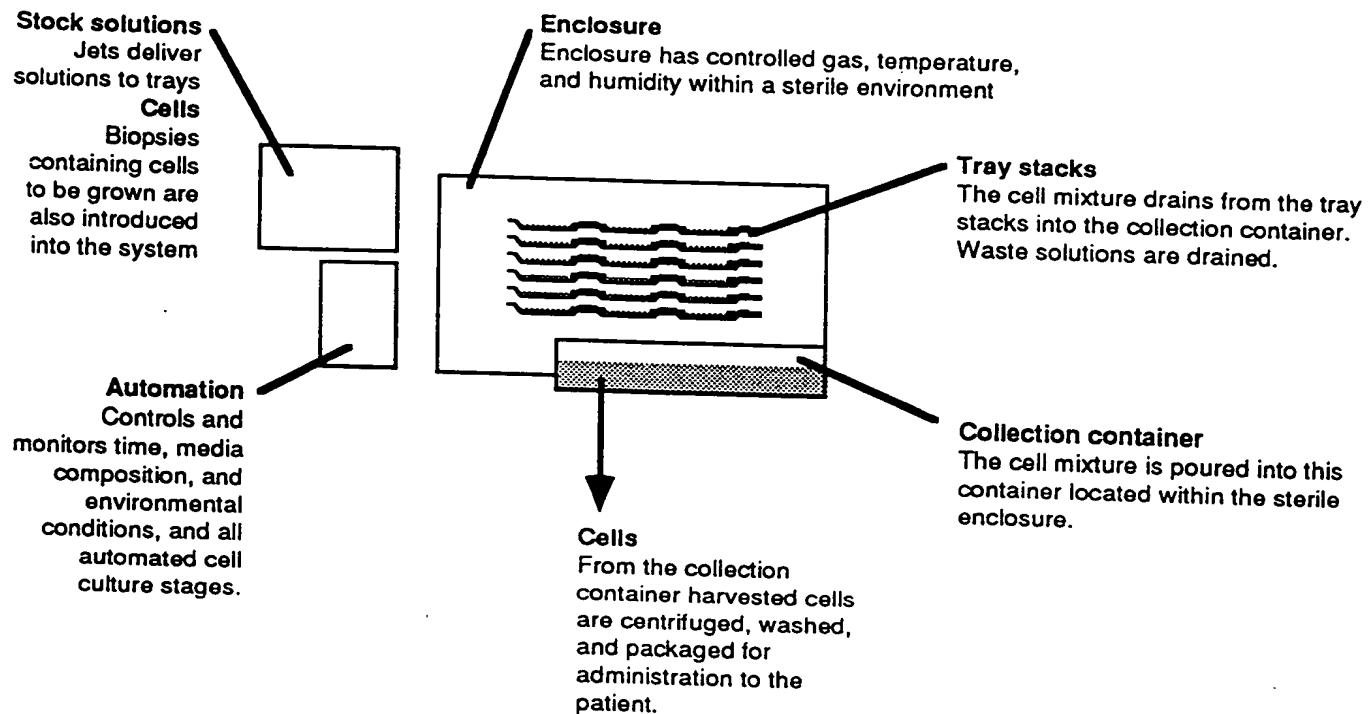
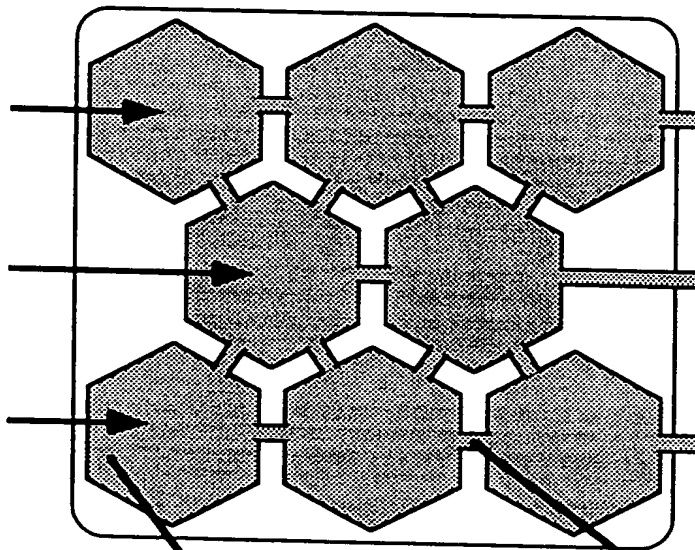


FIG.14

# Culture trays

## Top view

**Jets**  
Inject solution onto culture plates



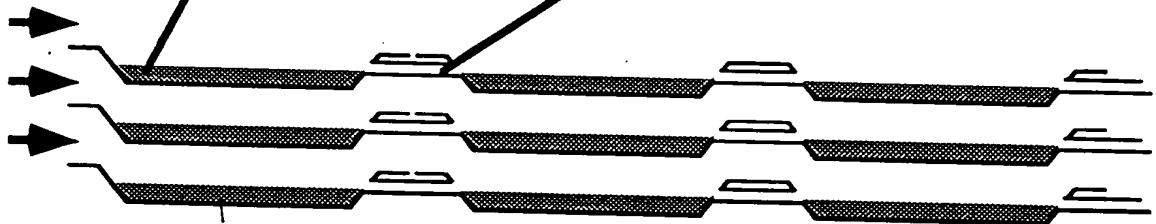
**Drainage**  
Solutions from culture plates are either collected or discarded.

**Culture plate**  
Each plate is 1800 cm<sup>2</sup>. Each holds cells, media, and/or rinse solutions. Made of stainless steel that is sterilized and is coated with collagen to allow cells to adhere.

**Flow duct**  
Keeps the solution level even throughout all the culture plates. Also allows solutions to flow between culture plates when the entire pan tilts.

## Side view

**Jets**  
Inject gases and solution onto culture plates



**Tray stacks**  
Composed of many culture plates interconnected by flow ducts. Trays are stacked but do not touch.

## Automated actions



**Fill**  
Jets fill trays with solution



**Wash and drain**  
Tray stacks tilt to allow solutions to drain during washing or media changes. Jets add fresh solution to trays while wash solutions are drained and discarded. Detached cell mixtures are collected.



**Drain and collect**  
Tray stacks tilt to vertical to maximize detached cell collection during harvest.

FIG.15

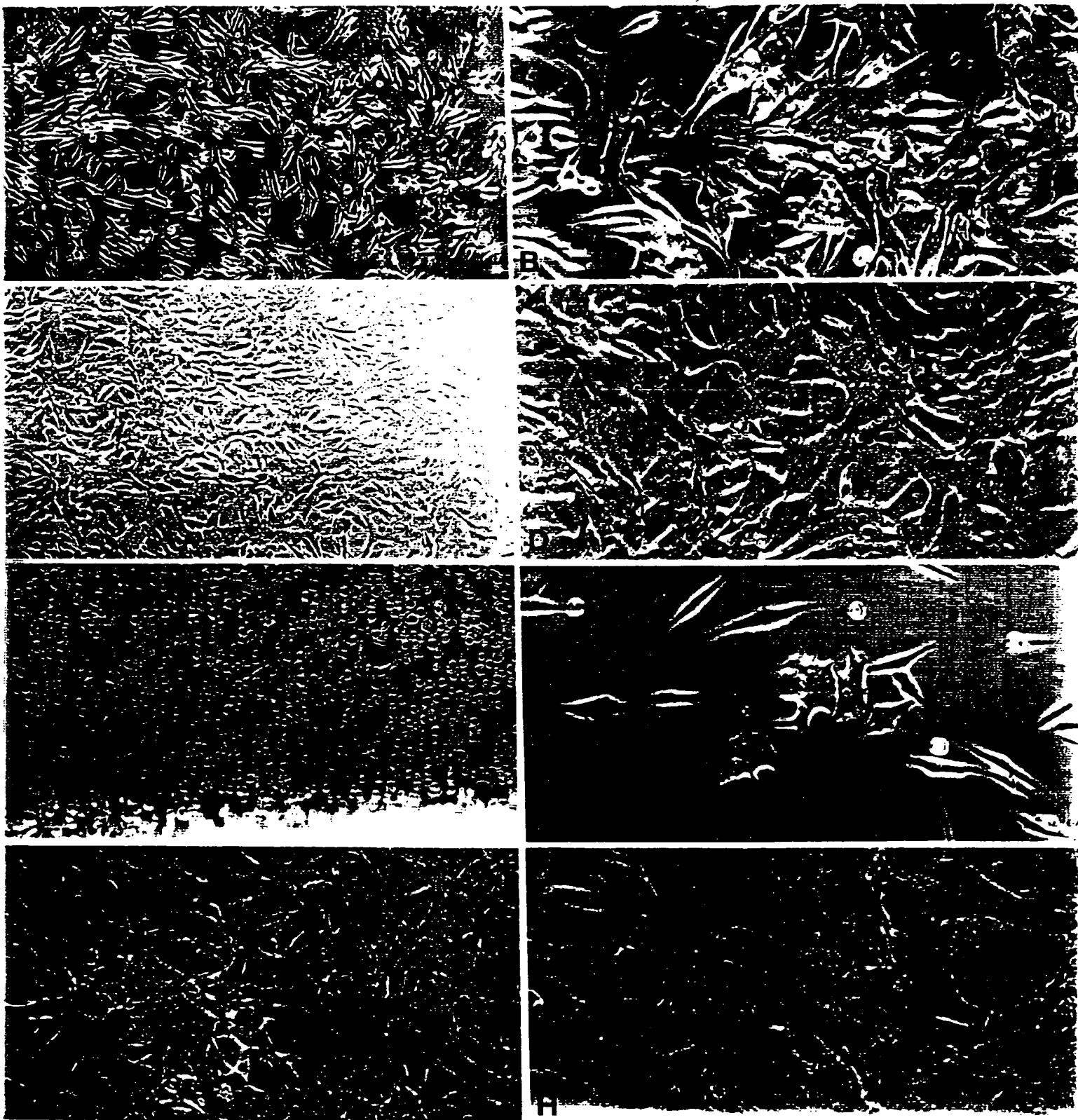


FIG.16



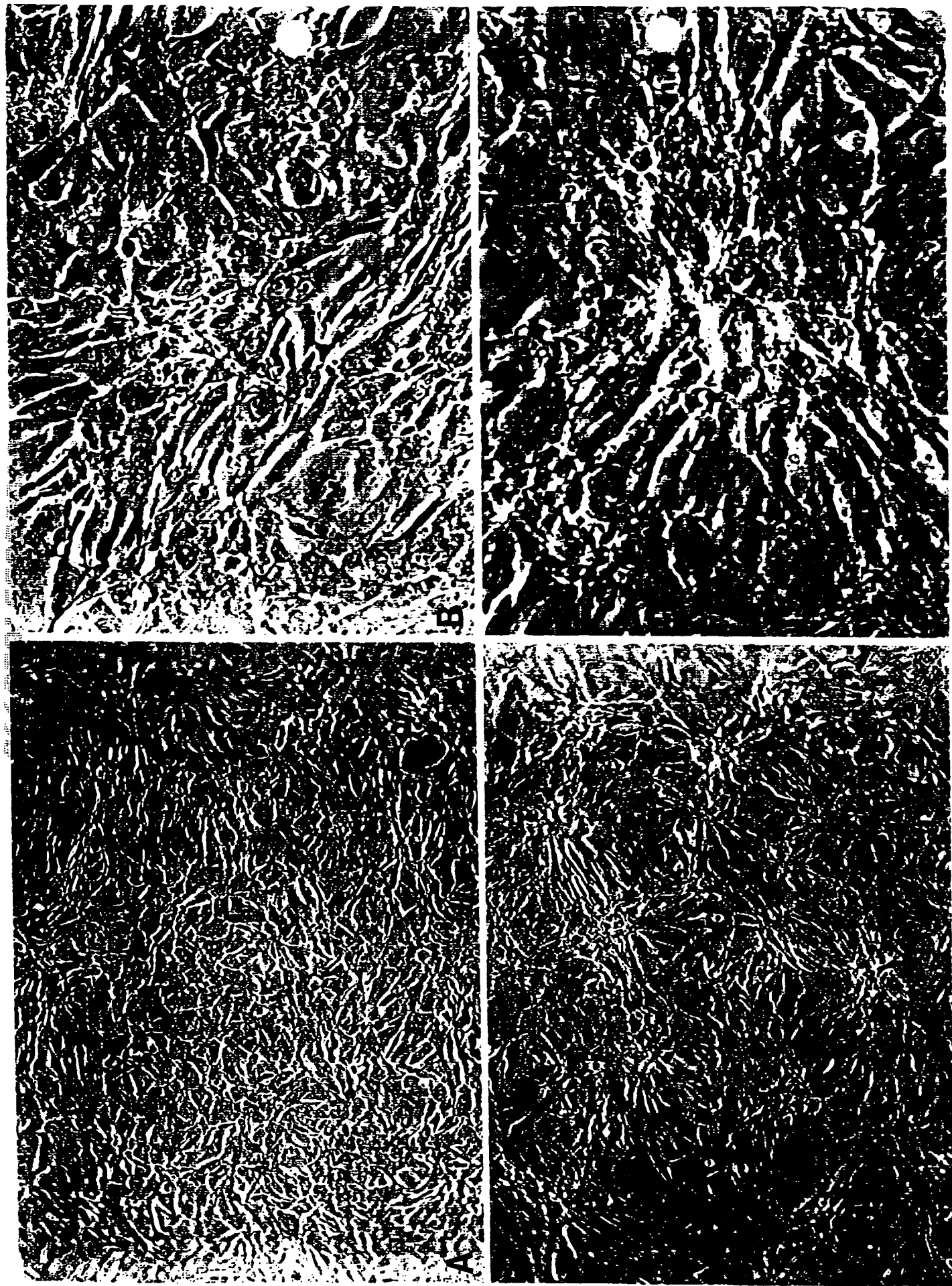
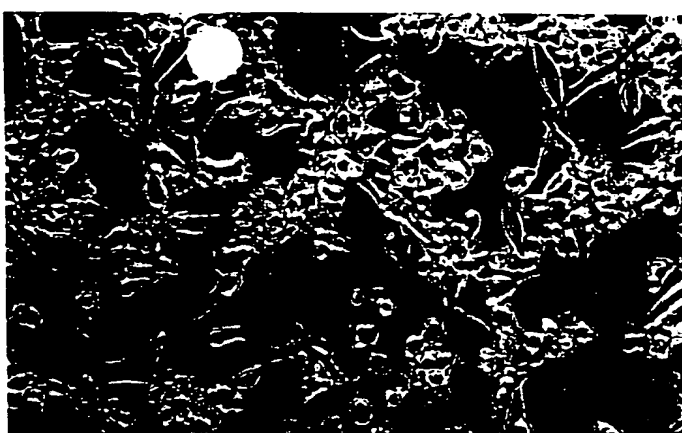
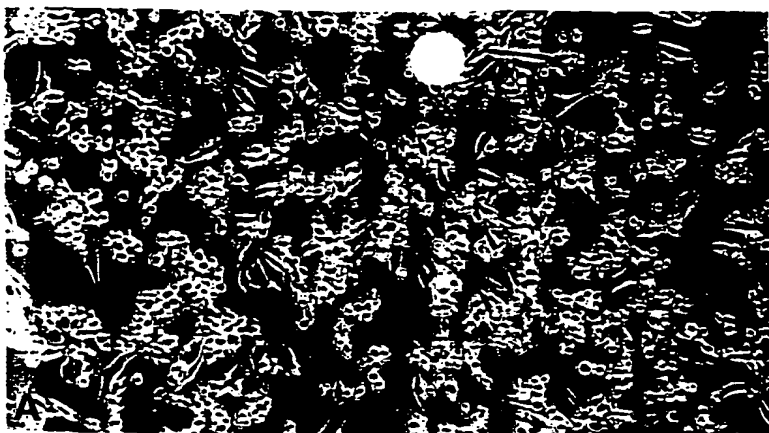


FIG.17



C

D

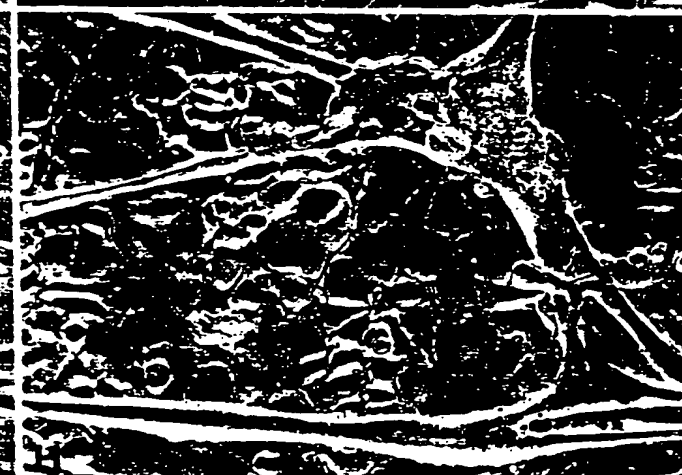
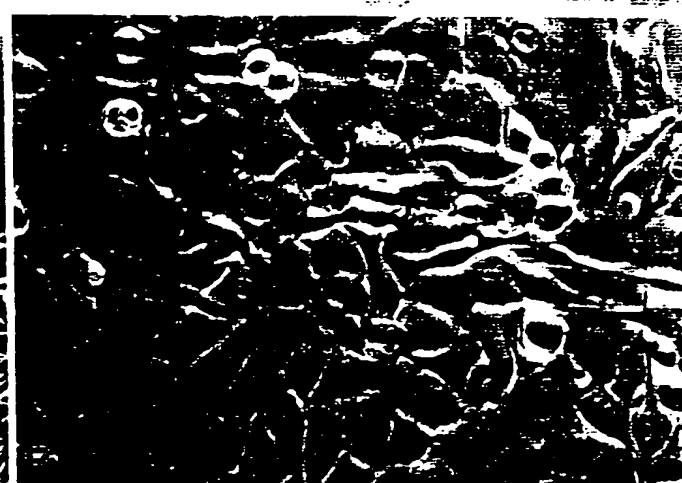
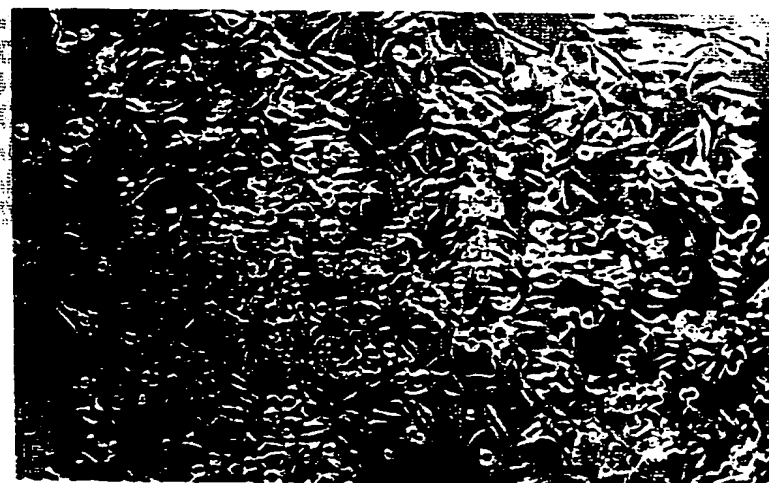


FIG. 18

FIG. 19

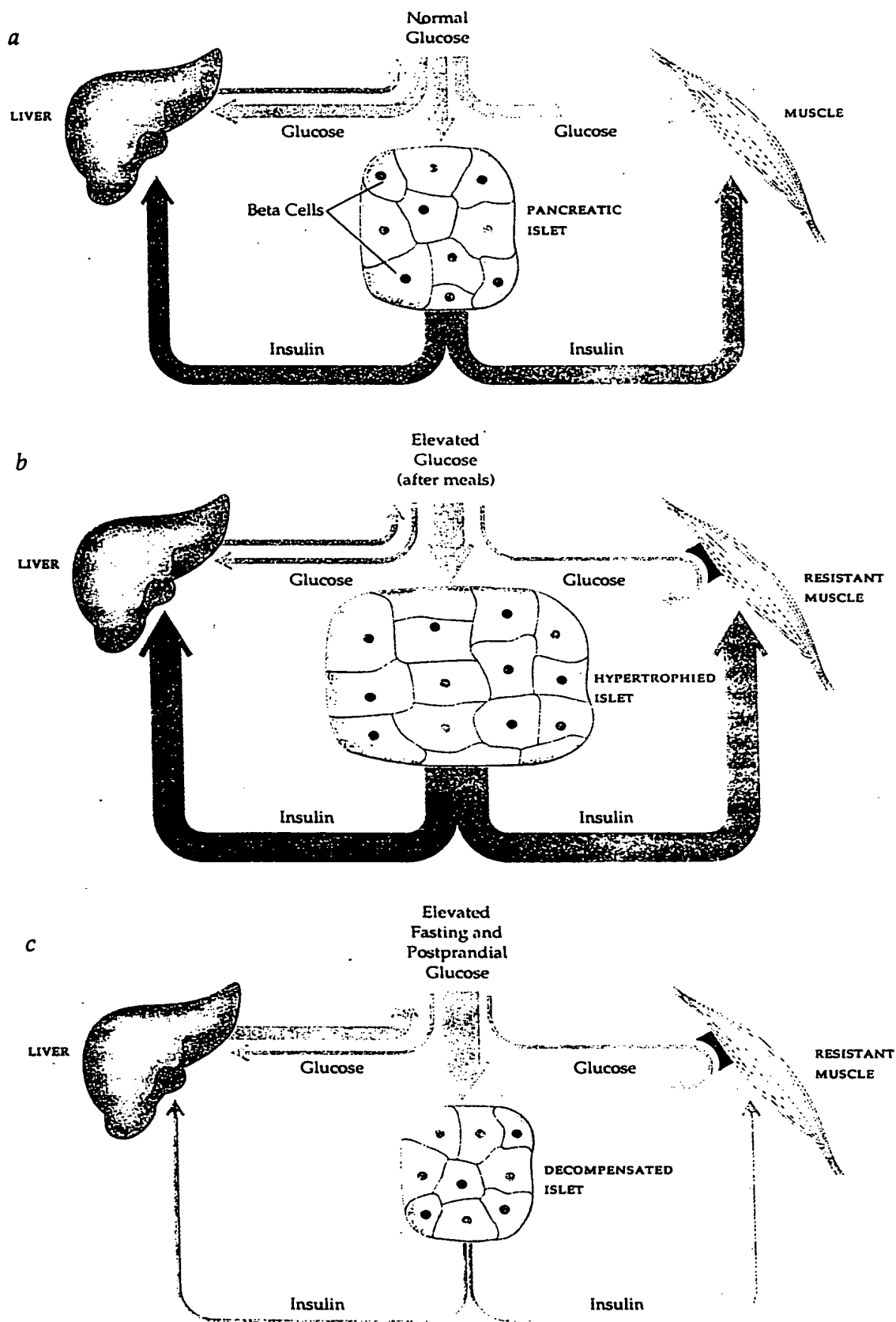


FIG. 20